

## Patent Abstracts of Japan

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APPLICATION NUMBER : 06212724

APPLICANT : COPYER CO LTD;

INVENTOR : SATO KATSUHIKO;

INT.CL. : B41M 5/00

TITLE : MATERIAL TO BE INK JET RECORDED

ABSTRACT : PURPOSE: To provide a material to be ink jet recorded of superior ink absorption power and coloring properties, resolution properties and image keeping properties provided combinedly in which peeling or powder dropping of a coated layer is not generated.

CONSTITUTION: A coated layer is formed on a base sheet of a material to be in jet recorded, and as components forming the coated layer, silica having a BET ratio surface area in the range of 100-400m<sup>2</sup>/g and the oil absorption amount in the range of 150-300ml/100g blended with silica or/and alumina having the average diameter of primary particle diameter smaller than 0.05μm are blended together.

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AN - 1996-204562 [21]

AP - JP19940212724 19940906

CPY - KOPI-N

DC - F09 G05 P75 T04

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FS - CPI;GMPI;EPI

IC - B41M5/00

MC - F05-A06B G02-A05C G06-F03

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PA - (KOPI-N) KOPIA KK

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PR - JP19940212724 19940906

XA - C1996-064974

XIC - B41M-005/00

XP - N1996-171494

AB - J08072387 Recording sheet comprises a sheet of base paper bearing a coated layer. The coated layer contains silica, having BET specific surface area of 100-400 m<sup>2</sup>/g and oil adsorption of 1500-300 ml/100 g and silica and/or alumina, having average dia. of prim. particle of less than 0.05  $\mu$ m.

- USE - Used for receiving records from an ink-jet with high speed, high information density and high image density.

- ADVANTAGE - The material has good physical characteristics without peeling of coating, with good absorption of inks and gives good resolution and image stability at the same time.

- (Dwg.0/2)

IW - RECORD SHEET INK JET IMAGE RESOLUTION CONTAIN SILICA SPECIFIED SPECIFIC SURFACE AREA OIL ABSORB SILICA ALUMINA SPECIFIED PRIMARY PARTICLE AVERAGE DIAMETER

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NC - 001

OPD - 1994-09-06

ORD - 1996-03-19

PAW - (KOPI-N) KOPIA KK

TI - Recording sheet for ink-jet giving good image resolution - contains silica having specified specific surface area and oil absorption, and silica and/or alumina having specified prim. particle average dia.